

II. AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-19 (cancelled)

20. (previously presented) A three-dimensional structure comprising:

at least three compression members situated on the surface of a first hyperboloid of revolution of one sheet having a mid-plane that is perpendicular to the conjugate axis of said first hyperboloid, wherein each said at least three compression members includes:

- a first portion located on the surface of said first hyperboloid on one side of the mid-plane of said first hyperboloid; and
- a second portion located on the surface of said first hyperboloid on the other, second side of the mid-plane of said first hyperboloid;

a first set of at least three tension members that connect said first compression member portions with one another;

a second set of at least three tension members that connect said second compression member portions with one another; and

a third set of at least three tension members that each connects at least one of said first compression member portions with at least one of said second compression member portions of a different compression member,

wherein at least three tension members are configured in a radial configuration.

21. (previously presented) A three-dimensional structure as described in claim 20 wherein said at least three tension members configured in a radial configuration are of said first set of at least three tension members.

22. (previously presented) A three-dimensional structure as described in claim 20 wherein said at least three tension members configured in a radial configuration are of said second set of at least three tension members.

23. (previously presented) A three-dimensional structure as described in claim 20 wherein said third set of at least three tension members is situated on the surface of a second hyperboloid of revolution of one sheet.

24. (previously presented) A three-dimensional structure comprising:

at least three compression members situated on the surface of a first hyperboloid of revolution of one sheet having a mid-plane that is perpendicular to the conjugate axis of said first hyperboloid, wherein each said at least three compression members includes:

- a first portion located on the surface of said first hyperboloid on one side of the mid-plane of said first hyperboloid; and
- a second portion located on the surface of said first hyperboloid on the other, second side of the mid-plane of said first hyperboloid;

a first set of at least three tension members that connects said first compression member portions with one another;

a second set of at least three tension members that connects said second compression

member portions with one another; and

a third set of at least three tension members that each connects at least one of said first compression member portions with at least one of said second compression member portions of a different compression member,

wherein at least one tension member is configured in an internal configuration.

25. (previously presented) A three-dimensional structure as described in claim 24 wherein said at least one tension members configured in an internal configuration is of said first set of at least three tension members.
26. (previously presented) A three-dimensional structure as described in claim 24 wherein said at least one tension members configured in an internal configuration is of said second set of at least three tension members.
27. (previously presented) A three-dimensional structure as described in claim 24 wherein said at least one tension members configured in an internal configuration is of said first third of at least three tension members.
28. (previously presented) A three-dimensional structure as described in claim 24 wherein said third set of at least three tension members is situated on the surface of a second hyperboloid of revolution of one sheet.

Claims 29-30 (canceled)

31. (currently amended) A three-dimensional structure comprising:

at least four compression members that lie on the surfaces ~~of two~~ of only two different planes, wherein said only two different planes intersect ~~that intersect one another~~; and

a set of at least six tension members that connects each of said at least four compression members with at least one other compression member of said at least four compression ~~members-~~ members.

wherein said three-dimensional structure comprises no compression members other than said at least four compression members.

32. (previously presented) A three-dimensional structure as described in claim 31 wherein at least one tension member is arranged in an internal configuration.
33. (previously presented) A three-dimensional structure as described in claim 31 wherein at least three tension members are arranged in a radial configuration.
34. (previously presented) A three-dimensional structure as described in claim 31 wherein at least one tension member is arranged in a circumferential configuration.
35. (previously presented) A three-dimensional structure comprising:
- a first set of at least two compression members situated on the surface of a first hyperbolic paraboloid;
- a second set of at least two compression members situated on the surface of a second hyperbolic paraboloid; and
- a set of at least twelve tension members which connect said compression members with one another,
- wherein said second hyperbolic paraboloid surface intersects said first hyperbolic paraboloid surface.